



# CINT2000 Result

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Fujitsu Siemens Computers  
PRIMERGY RX100 S3, Intel Pentium 4 650

SPECint\_rate2000 = 19.3  
SPECint\_rate\_base2000 = 19.3

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Aug-2005 | Hardware Avail: Oct-2005 | Software Avail: Mar-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	124	13.1	1	124	13.1
175.vpr	1	121	13.4	1	121	13.4
176.gcc	1	55.0	23.2	1	55.0	23.2
181.mcf	1	89.2	23.4	1	89.2	23.4
186.crafy	1	79.8	14.5	1	79.8	14.5
197.parser	1	127	16.4	1	127	16.4
252.eon	1	64.8	23.3	1	64.8	23.3
253.perlbnk	1	89.4	23.4	1	89.4	23.4
254.gap	1	59.6	21.4	1	59.6	21.4
255.vortex	1	66.8	33.0	1	66.8	33.0
256.bzip2	1	117	14.9	1	117	14.9
300.twolf	1	174	20.0	1	174	20.0

### Hardware

CPU: Intel Pentium 4 650 (3.40 GHz, 800 MHz bus)  
CPU MHz: 3400  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 12k micro-ops I + 16KBD on chip  
Secondary Cache: 2048KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 4x2048 MB DDRII-RAM PC2-4300  
Disk Subsystem: Seagate ST380013AS (SATA, 7.2krpm)  
Other Hardware:

### Software

Operating System: Windows Server 2003 Enterprise Edition + SP1  
Compiler: Intel C++ Compiler 9.0 Build 20050722Z (for 32-bit applications)  
Microsoft Visual Studio .Net 2003 7.1.3088 (for libraries)  
SmartHeap Library Version 7.4 from <http://www.microquill.com>  
File System: NTFS  
System State: Default

## Notes/Tuning Information

### GENERAL

+FDO: PASS1=-Qprof\_gen PASS2=-Qprof\_use

### Portability flags

176.gcc: -Dalloca=\_alloca /F10000000  
186.crafy: -DNT\_i386  
252.eon: Approved srcalt stdcpp is used  
253.perlbnk: -DSPEC\_CPU2000\_NTOS -DPERLDLL /MT  
254.gap: -DSYS\_HAS\_CALLOC\_PROTO -DSYS\_HAS\_MALLOC\_PROTO

### Base tuning flags

for C programs: -fast +FDO shlW32M.lib  
for C++ programs: -fast -Qcxx\_features +FDO

### Peak tuning flags

same as baseline (basepeak=yes set globally)

New 32-bit Windows tools used, approved in May-2005

The system bus runs at 800 MHz



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## Notes/Tuning Information (Continued)

This result was measured with 32-bit binaries using the 32-bit version of the operating system.

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